Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

VOL. XIII. WASHINGTON, D. C., NOVEMBER 18, 1898. NO. 46.

UNITED STATES.

[Reports to the Supervising Surgeon-General, United States Marine-Hospital Service.]

Special report upon the effort to test in suitable cases the "serum anti-amarylic, donated to the United States by Professor Sanarelli, of the University of Montevideo, Uruguay, with the request that it be tested at the earliest opportunity in suitable cases of yellow fever.

SIR: Pursuant to your instructions of August 20, 1898, to proceed to Santiago de Cuba, for the purpose of testing the serum in suitable cases, both as a curative and as a prophylatic agent, I did so at my earliest opportunity, arriving in that city on August 25. Consultation with the military officials of our Government in command convinced me that the rumors prevalent in the United States of the malarial character of the prevailing fever in Santiago, rather than yellow fever, was correct. The officials of the city declared that there was no yellow fever in Santiago; therefore I refrained from visiting the city hospitals, because of the consumption of time, and the inadvisability of a difference of opinion as to diagnosis in any possible cases seen there. However, the surgeon-in-chief of the military commandant of the province of Santiago assured me of the presence of the disease, as reported to him by his subordinate officers, and gave me *carte blanche* to enter the hospitals at both Siboney and on the island in the bay set apart for the purpose of a yellow fever camp. Owing to the rapidly progressing discontinuance of the camp at Siboney, I took up my residence at the island hospital. A careful scrutiny of the number of convalescents there, and an inspection of their clinical histories, especially in regard to the pulse and temperature tracings, convinced me that, while there was, in numerous cases, a condition resembling yellow fever, yet the pulse and thermographs did not fulfill the demands as enunciated by J. C. Faget;* that, while the pulse tracings were generally low there was an absence of the typical "want of coordination" seen in an

* Monographie sur le type et la specificité, de la Fiévre Jaune, 1875.

ascending or *stationary* fever at its acme, together with a *falling* pulse. There was much food for reflection, and I was finally convinced that in all of these cases, showing an intermitting type of fever, and most of them an enlarged spleen and tender liver, a malarial intoxication was present. Yet could the slow pulse, spongy gums, yellowish (not pronounced) skin and eyes, skin extravasations, depend upon yellow fever infection? I had reason to question the statement of "albumen in the urine" in some cases, since I was led to doubt the competency of the analyst. A continued study of these facts and of the cases arriving of so-called yellow fever, led me to the conclusion that the *ensemble* of symptoms which had been so freely thus diagnosed was due to a very general condition of incipient, or developing scorbutus, upon which there had become implanted a malarial toxæmia. To me this seemed to develop a condition of serious danger but little inferior to yellow fever itself. At no time did I see a case which warranted the use of the curative serum, since the enlarged spleens and other evidences of malarial infection, even if I had accepted the dictum of those in charge of the hospital, would under Sanarelli's direction, have gone far to negate the results of its use. Under such circumstances I deemed it my duty to acquaint you with the conditions existing, especially since I had before visiting this hospital and examining the patients, reported to you the favorable opportunity to fulfill your wishes in regard to this serum, as it was presented to me by the authorities.

In differing from the opinion of the officials of this hospital, I must express my grateful appreciation of their uniform courtesy to me at all times, and of the interest there was manifested in the work committed to my charge.

It is but right to say that every official courtesy was extended by Generals Lawton and Wood, and especially by Colonel Havard, the surgeon-in-chief, of the military forces occupying the province of Santiago de Cuba.

Respectfully, yours,

EUGENE WASDIN,
Surgeon, U. S. M. H. S.

Explanation of plague suspected cases on the Duchesse Anne.

[Telegram.]

SAN FRANCISCO, CAL., *November 11, 1898.*

The captain of the bark *Duchesse Anne* died five days out from Hongkong—no diagnosis. No special reason to think he had plague. Another sailor died about a month afterwards of tuberculosis. No chances taken—vessel disinfected twice.

ROSENAU, *Passed Assistant Surgeon, U. S. M. H. S.*

Yellow fever in the United States as officially reported from July 1 to November 17, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana:				
Alexandria	July 1-Oct. 15	200	2	Estimated.
Amite City	do	1	1	
Baton Rouge	do	176	4	
Baton Rouge, East	Oct. 17			Yellow fever reported.
Baton Rouge, West	do			Do.
Bowie	Oct. 6	1		
Cinclare	July 1-Oct. 15	11	1	
Delogny	do	1		
Feliciana, East	Oct. 17			Do.
Feliciana, West	do			Do.
Franklin	July 1-Oct. 20	607	9	
Harveys Canal	July 1-Oct. 6	14	3	
Houma	July 1-Oct. 15	40	2	

Yellow fever in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Louisiana—*Continued.*				
Iberville	Oct. 17			Yellow fever reported.
Jackson	July 1-Oct. 15	15	0	
Jefferson Parish	July 1-Sept. 20	5	0	
Lake Charles	July 1-Oct. 15	1	0	
Lobdell	Oct. 12			Do.
Lutcher	July 1-Oct. 15	14	2	
New Orleans	do	74	19	
Plaquemine	do	6	1	
St. Charles Parish	Oct. 4			Do.
St. James Parish	July 1-Oct. 1	1		
Wilson	July 1-Oct. 15	303	7	
Mississippi:				
Canton	July 1-Oct. 26	9		
Clinton	July 1-Oct. 15	40		
Crystal Springs	July 1-Oct. 21	7		
Edwards (vicinity)	July 1-Oct. 16	12	1	
Fayette	July 1-Oct. 13	5		
Harriston	July 1-Oct. 30	134	8	
Hattiesburg	July 1-Oct. 21	35	3	
Hermanville	July 1-Oct. 13	3		
Jackson	July 1-Nov. 10	208	11	
Madison and vicinity	July 1-Nov. 10	95	1	
Meridian	July 1-Oct. 17	3		
Natchez	July 1-Nov. 2	37	4	
Orwood	July 1-Oct. 27	100	5	
Oxford	do	86	12	
Poplarville	July 1-Oct. 18	24	1	
Port Gibson	July 1-Oct. 6	1	1	
Queen Hill	July 1-Oct. 15	1	1	
Ridgeland	July 1-Oct. 17	7		
Starkville	July 1-Oct. 18	9		
Taylors	July 1-Oct. 21	106	14	
Tougaloo	July 1-Oct. 17	2		
Waterford	July 1-Oct. 6	2		
Water Valley	July 1-Oct. 21	12		
Waveland	July 1-Oct. 18	20	1	
Woodville	July 1-Oct. 6	1		
Yazoo City	July 1-Nov. 10	26		
New York:				
New York	Oct. 23	1	1	

Total for Louisiana, 1,470 cases, 51 deaths. Mortality, 3.47 per cent.
Total for Mississippi, 985 cases, 63 deaths. Mortality, 6.40 per cent. Total for New York, 1 case 1 death. Grand total for 1898, 2,456 cases, 115 deaths. Mortality, 4.68 per cent.

CORRECTION.

[The 3 cases of yellow fever reported to have occurred in the marine barrack, Key West, Fla., in August last, and published in the PUBLIC HEALTH REPORTS of August 19, 1898, have since been declared by Surgeon R. D. Murray, U. S. M. H. S., not to have been yellow fever, the amended diagnosis declaring them to have been dengue.]

Case of smallpox in San Francisco, Cal.

SAN FRANCISCO, CAL., *November 7, 1898.*

SIR: I have the honor to report the admission of a case of smallpox at this hospital, viz:

Jamaica negro, aged 40 years, and last employed on steamship *Mariposa* from August 9, to October 21, 1898. Since the latter date he has been living ashore. The case was immediately reported to the board of health of the city and county of San Francisco who request that he be kept at this hospital. The case has been isolated. No other cases in this vicinity are known to this office.

Respectfully, yours, JAMES M. GASSAWAY,
Surgeon, U. S. M. H. S., In Command.

Case of smallpox in Cleveland, Ohio.

CLEVELAND, OHIO, *November 14, 1898.*

SIR: I have the honor to report a case of smallpox in this city. The case is of so mild a type that a definite diagnosis was not made until late on the 12th instant. A newspaper clipping relating thereto is herewith inclosed.

Respectfully, yours, H. W. WICKES,
Assistant Surgeon, U. S. M. H. S., In Command.

Smallpox in Edgecombe County, N. C.

RALEIGH, N. C., *November 12, 1898.*

SIR: You are hereby informed that 10 cases of smallpox have been reported to this office as existing in Edgecomb County, in two families. The origin of the disease is Norfolk, Va. Precautions taken as usual.

RICHARD H. LEWIS,
Secretary State Board of Health.

Smallpox in Mobile, Ala.

MOBILE, ALA., *November 10, 1898.*

SIR: I have the honor to report that a case of smallpox in a colored man was discovered in this city on the 27th ultimo. The man had lately come from Dwight, Washington County, Ala., where the disease was reported as existing on September 12. The case ended fatally on November 5.

Health Officer Goode vaccinated 22 persons who had possibly been in contact with the case and corraled several in the house where it was found. There have been no subsequent cases.

I am, very respectfully, your obedient servant,

R. D. MURRAY,
Surgeon, U. S. M. H. S.

Smallpox in Norfolk (city and county), Va.

NORFOLK, VA., *November 10, 1898.*

SIR: I have the honor to report another case of smallpox found in this city on Tuesday, 8th instant. It was taken to the pesthouse and the usual precautions observed. This will make the 17th case since my first report. There are onl y 7 cases now in the city pesthouse, the others having been discharged, cured.

So far I have been unable to ascertain the number of cases in the county (Norfolk) to date. Since January 1, I hear they numbered about 60; all treated at pesthouse of the county, about 10 or 15 miles from this city.

Respectfully, yours, EDWD. E. FEILD,
Acting Assistant Surgeon, U. S. M. H. S.

Case of smallpox in Richmond, Ind.

INDIANAPOLIS, *November 9, 1898.*

SIR: One case of smallpox reported from Richmond, Ind. Origin probably in Ohio. All precautions taken to prevent its spread.

J. N. HURTY, *Secretary.*

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to November 18, 1898.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Bessemer	Jan. 6-Feb. 19	143		
Birmingham	Jan. 6-Feb. 19	47		
	May 13	15		
In Jefferson county, outside of the city	Feb. 6-Feb. 19	26		
Carneys Bluff	Feb. 17			Smallpox reported.
Cedarville	Aug. 1-Sept. 29	50		
Corona	Mar. 4	1		
Dallas County (near Selma)	Oct. 20	15		
Dolomite	Dec. 1-Jan. 17	21		
Dwight, Washington County	Aug. 16-Sept. 12	12	1	
Gosport	Feb. 17			Do.
Glendon	Feb. 17			Do.
Haynesville	Mar. 11	400		
Horse Creek Mine	Mar. 4	3		
Hurricane Bayou	Mar. 31-June 12	30		
Jackson	Feb. 17	10		
Letohatchie	May 13	50		
	July 30	25		Three miles from town.
Mobile	Feb. 5-June 15	82	1	
	July 1-Aug. 17	9	1	
	Oct. 27	1		
Montevallo	Mar. 3	1		
Montgomery	June 29	2		
Newton	Jan. 15-Feb. 2	7		
Nichola	Feb. 17			Smallpox reported.
Oxmar	Jan. 19			Do.
Patton	Feb. 1-Mar. 4	9		
Pinckard	Feb. 2	50		
Port Deposit	May 13	1		
Rock Springs	Mar. 11	15		
Salitpa	Feb. 17			Do.
Selma	Jan. 13-Feb. 14	3		
	Oct. 13	1		
Shelby	Jan. 28-Apr. 22	8		
Talladega	Jan. 9-Feb. 15	45		
Walker Springs	Feb. 17			Do.
Wayne County	June 23-July 1	2		
Whistler	June 4-June 15	1		
Arkansas:				
Beebe	June 30	1		
Conway	Sept. 28	3		
Fair Oaks	Mar. 1	5		
Hot Springs	June 30	2		
Little Rock and vicinity	Mar. 31-May 20	110	1	
Newport	Apr. 28	1		
Sweet Home	May 20	11	1	
California:				
San Francisco	Nov. 7	1		
Colorado:				
Boulder County	June 24-July 26	5		
Colorado Cañon	Aug. 8	7		
Las Animas County	July 26	5		
District of Columbia:				
Washington	Feb. 7	1		Naval Hospital.
	Apr. 2-May 5	9		
	Aug. 13	1		
Florida:				
Bartow	June 25	1		
Bluff Springs	June 18	1		
Jacksonville	Mar. 20-Mar. 26	1		
Pensacola	Apr. 24-May 11	2		
Washington County	Jan. 24	12		
Georgia:				
Atlanta	Jan. 17-Feb. 16	178	2	Most cases from county
	May 27-July 27	2		
Cartersville	Jan. 15-Mar. 1	9	1	
Griffin	Feb. 12	2		
Macon	Jan. 15-June 1	100	3	
Stilesboro	Jan. 15			Smallpox reported.
Illinois:				
Chicago	May 4	1		
Indiana:				
Evansville	Feb. 26	1		
Richmond	Nov. 9	1		
Kansas:				
Fort Scott	Sept. 15	1		
Kentucky:				
Butler	Feb. 8-Feb. 24	1		
Louisville	Apr. 16	1		

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Kentucky—*Continued.*				
Middlesborough	Feb. 3-Apr. 7	183	2	Smallpox reported.
Laurel County	July 20			Do.
Clay County	July 20			Do.
Jackson County	July 20			Do.
Louisiana:				
New Orleans	Mar. 13-May 21	5		
Massachusetts:				
Greenfield	Feb. 5-Feb. 22	1		
Westfield	Feb. 20-Mar. 2	1		
Michigan:				
Detroit	Sept. 17-Sept. 27	6		
	Oct. 2-Oct. 8	1	1	
Ecorse Township	Oct. 30-Nov. 5			Do.
Ionia	Mar. 20-Apr. 23			Do.
Otsego	Sept. 10			Do.
Royal Oak	Feb. 12-Mar. 12	1		
Seneca Township	Aug. 6	1		
	Aug. 27			Do.
Mississippi:				
Basin	May 16	7		
Chicora	June 23-July 1			Cases reported.
Denny	May 16-May 31	19		
Hattiesburg	June 4-June 15	4		
Hendersons Point	Feb. 8	3		
Laurel	May 28-July 28	11		
Meridian	July 28	2		
Moss Point	Feb. 15	1		
Ocean Springs	Feb. 20	3		
Prairie	June 4-June 15			Several cases.
State Line	June 23-July 1	1		
Shubuta, Clark County	May 28-June 15	50		
New Jersey:				
Westfield	Mar. 4	1		
New Mexico:				
Albuquerque and vicinity	Mar. 5-Sept. 4	52	3	Smallpox reported prevalent along the line of the Santa Fe R. R. August 4, 1898.
New York:				
Buffalo	May 21-June 18	1		
Deposit	Nov. 1-Nov. 30	1		
Livonia	July	1		
New York City	May 14-May 21	1		
Waverley	July	5		
North Carolina:				
Alamance County	Feb. 18-Feb. 25	1		
Asheville	Apr. 14-July 19	1		
Buncombe County	Apr. 16	1		
Catawaba	July 19	6		In one family.
Charlotte	Jan. 25-Feb. 12	4		
Clay County	Feb. 15-Feb. 24	3		
Cleveland	July 19	7		13 found recovered; total, 20 cases.
Durham	do	1		
Edgecombe County	Nov. 12	10		
Elmwood	do	2		
Iredell County	May 19-June 2	9		
Mooresville	July 19	1		
Reidsville	do	1		
Wilmington	Jan. 12	1		
Wilson County	May 28	1		
Ohio:				
Bays	July 14	2		
Cincinnati	May 5	1		
	Oct. 8	3		
Columbus	Apr. 16-Apr. 22	1		
Cleveland	Nov. 14	1		
Dayton	Sept. 23	1		
	Oct. 8	1		
Delphos	May 4-July 14	15		
Fairfield County	Apr. 8-May 11	12	1	
Goshen	July 28	15		
New Paris	Oct. 8	1		
Oberlin	do	1		
Put-in-Bay	Sept. 6	26		
Sandusky	Oct. 8	1		
St. Marys	do	2		
Uniopolis	do	1		
Van Wert	June 23-July 15	13		
Wapakoneta	Oct. 8	20		

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Pennsylvania:				
Chester County (near Spring City)	Oct. 7-Oct. 29	10	1	
Dunbar	June 23-July 13	6		
Philadelphia	Apr. 13	2		
Sayre, Bradford County	Oct. 7	1		
South Carolina:				
Arkwright	Mar. 25	9		
Beaufort	Jan. 17			Smallpox reported.
Charleston	Apr. 22	1		
Columbia	Apr. 6-May 2	86		
Dyson	Mar. 25	3		
Greenville	Jan. 17			Do.
Orangeburg	Jan. 17			Do.
Pelham	Mar. 25	20		
Ridge Springs	Mar. 25	1		
Rock Hill	Jan. 17			Do.
Spartanburg	Jan. 17-July 26	4		Do.
Sumter	May 2	12		
Swansea	Jan. 15			Do.
Tennessee:				
Bristol	Mar. 1-Mar. 31	1		
Chattanooga	Jan. 1-Apr. 30	21		
Cleveland	Apr. 1-Apr. 30	6		
	July 1-July 31	12		
Elk Valley	Mar. 1-Mar. 31	1		
Huntington (near)	Jan. 1-Jan. 29	1		
Jellico	Feb. 1-Mar. 31	9		
Johnson City	Feb. 1-Mar. 31	13		
Knoxville	Jan. 1-Apr. 30	43		
Lenoir City	Jan. 1-Feb. 28	5		
Memphis	Jan. 22-Apr. 30	4		
	July 1-July 31	2		
Mingo mines	Jan. 1-Jan. 29	6		
Mingo	Feb. 1-Mar. 31	3		
Morristown	Feb. 1-Mar. 31	6		
Newcomb	Feb. 1-Feb. 28	3		
Rockford	Mar. 1-Mar. 31	1		
Rutledge	Feb. 1-Apr. 30	14		
Shields Ferry	Mar. 1-Mar. 31	4		
Sprowles	Mar. 1-Mar. 31	1		
Texas:				
Brownsville	Feb. 26	1		
Columbus	Feb. 2-Apr. 2	30	7	Do.
Virginia:				
Colburn	Feb. 1			Do.
Norfolk City	Mar. 1-Mar. 10	2		
	Sept. 19-Nov. 12	18		
Norfolk County	Jan. 1-Nov. 10	60		Estimated.
Norton	Feb. 1			Smallpox reported.
West Virginia:				
Bluefield	Feb. 25	5		
Fayette County	May 6	8		
Mercer County	May 6	6		
McDowell County	May 6	12		
Wisconsin:				
Milwaukee	May 19	1		
Oshkosh	Apr. 28	1		
Wausau	Oct. 12	1		

Report of immigration at Boston for the week ended November 12, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, November 13, 1898.

Number of alien immigrants who arrived at this port during the week ended November 12, 1898; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Nov. 6	Steamship Boston	Yarmouth, Nova Scotia	93
Do	Steamship Narcissus	Bridgewater, Nova Scotia	6
Nov. 7	Steamship Roman	Liverpool, England	8
Do	Steamship Beverly	Port Antonio, Jamaica	4
Nov. 9	Steamship Prince Edward	Yarmouth, Nova Scotia	33
Do	Steamship Barrowmore	London, England	15
Do	Steamship Cambroman	Liverpool, England	11
Do	Steamship Lancastrian	do	20
Nov. 10	Steamship Pro Patria	St. Pierre, Miquelon	4
Do	Steamship Boston	Yarmouth, Nova Scotia	61
Nov. 11	Steamship Halifax	Halifax, Nova Scotia	99
Do	Steamship Londonian	London, England	25
Nov. 12	Schooner Glyndon	St. John, New Brunswick	3
Do	Steamship Prince Edward	Yarmouth, Nova Scotia	38
	Total		420

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at New York for the week ended November 12, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, November 12, 1898.

Number of alien immigrants who arrived at this port during the week ended November 1, 1898; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 30	Steamship La Touraine	Havre	401
Do	Steamship Etruria	Liverpool and Queenstown	183
Oct. 31	Steamship Rotterdam	Rotterdam	483
Nov. 1	Steamship Polaria	Hamburg	75
Do	Steamship Brasilia	do	213
Do	Steamship Friesland	Antwerp	254
Do	Steamship Patria	Naples	701
Nov. 2	Steamship Peninsular	Lisbon and the Azores	60
Nov. 3	Steamship Lahn	Bremen	256
Do	Steamship Kaiser Wilhelm II	Genoa and Naples	444
Nov. 4	Steamship Albano	Hamburg	64
Do	Steamship Oldendburg	Bremen	251
Nov. 5	Steamship Edam	Amsterdam	90
Do	Steamship Cymric	Liverpool and Queenstown	268
	Total		3,743

THOMAS FITCHIE,
Commissioner.

Report of immigration at Philadelphia for the week ended November 12, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Philadelphia, November 12, 1898.

Number of alien immigrants who arrived at this port during the week ended November 12, 1898 also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Nov. 8	Steamship Minnesota	London	2
Nov. 9	Steamship Bohemia	Hamburg	62
Nov. 10	Steamship Adria	Liverpool and Queenstown	137
Nov. 11	Steamship Nederland	Antwerp	165
Do	Steamship Florida	Rotterdam	1
	Total		367

JNO. J. S. RODGERS,
Commissioner.

Report of immigrants inspected at the port of San Francisco during the year ending June 30, 1898.

SAN FRANCISCO, CAL., *November 11, 1898.*

Number of immigrants inspected, 2,274; number of immigrants rejected, 1.

M. J. ROSENAU,
Passed Assistant Surgeon, U. S. M. H. S.

QUARANTINE REPORTS.

National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va	Nov. 5							No transactions	
	Nov. 12								1
Beaufort, N. C	do							No transactions	
Brunswick, Ga	Nov. 5	Am. sc. Ebenezer Haggett. (a)	Oct. 27	Caibarien	Brunswick, Ga.	Disinfected and held	Nov. 2		3
		Am. bktn. Nineveh. (a)	Oct. 28	Santiago de Cuba.	do	do	do		
		Br. ss. Kelvin	Nov. 4	Rio	do	Held for disinfection			
Cape Charles, Va	do	Br. ss. Afghan Prince.	Nov. 1	New Orleans	Hampton Roads.	Inspected and held	Nov. 1	Released by orders from Bureau.	16
	Nov. 12	Ger. ss. Senior	Nov. 6	Santiago de Cuba.	do	Disinfected	Nov. 11		15
Cape Fear, N. C	do								3
Delaware Breakwater, Quarantine, Del	do								6
Eureka, Cal	Nov. 5							No transactions	
Grays Harbor, Wash	do							do	
Gulf Quarantine, Ship Island, Miss.	do	Nor. bk. Zipporah. (a)	Oct. 23	Bahia	Ship Island	Disinfected and held	Nov. 1		1
		Br. sc. Boniform. (a)	Oct. 25	Ruatan	Mobile	do	Oct. 30		
		Br. sc. Ava (a)	do	Port Limon, Costa Rica.	do	do	do		
		Am. bk. Shetland. (a)	do	Tampico	Pascagoula	do	Nov. 3	Entire crew affected with malarial fever in port of departure, and 6 in quarantine.	
		Am. sc. Traveler. (a)	do	Progreso	Handsboro	do	Oct. 30		
		Br. bk. Bessie Markham. (a)	Oct. 26	Rio via Barbados.	Ship Island	Held for instructions	Nov. 1	Released by special authority.	
		Br. bk. Northern Empire. (a)	Oct. 27	Santos	do	do	do	do	
		Br. sc. Sirocco	Nov. 2	Paranagua via Barbados.	Pascagoula	do	Nov. 4	do	
		Br. bk. Birnam Wood.	do	Rio	Mobile	Held for disinfection		1 death from yellow fever at port of departure.	

		Am. sc. James Slater.	Nov. 3	St. Thomas	Pascagoula	Disinfected and held			
		Am. sc. Belle Wooster.	do	Habana	Ship Island	do		1 case acute nephritis in quarantine.	
		Am. bktn. Vidette.	Nov. 5	Santiago de Cuba.	Apalachicola	Held for disinfection		1 case remittent fever in quarantine.	
Honolulu, Hawaiian Islands.	Oct. 15							722 Japanese and Chinese landed from ss. Doric for work on plantations.	9
	Oct. 22								3
Newbern, N. C.	Nov. 12							No transactions	
Port Townsend, Wash	Nov. 5								8
Reedy Island Quarantine, Del.	Nov. 12								19
San Diego, Cal	Nov. 5								1
San Francisco Quarantine, Cal.	do	Am. ss. Peru	Nov. 2	Manila, Phillipine Isl's.	San Francisco	Disinfected and released	Nov. 2	Transport U. S. Army, measles, typhoid, and dysentery on board.	16
South Atlantic Quarantine, Blackbeard Island, Ga.	do								3
Tortugas Quarantine, Key West, Fla.	do	Nor. bk. Thermutis. (a)	Oct. 18	Bahia	Carabelle	Disinfected	Nov. 2	1 case beriberi and 1 case inflammation of intestines.	
		Am. bg. Sullivan. (a)	Oct. 20	Cardenas	Mobile	do	Nov. 4		
		Nor. bk. Morland. (a)	Oct. 22	Para	Carabelle	Held for disinfection			
		Am. sc. Aaron Kingsland	Oct. 29	Habana	Key West	Disinfected and held			
		Nor. ss. Kitty	Nov. 1	do	Mobile	do			
		Am. sc. Rollin Sanford.	Nov. 3	Cardenas	Tampa	do			
		Nor. ss. John Wilson.	Nov. 4	Habana	Mobile	Held for disinfection			
		Am. sc. Pearl City.	do	do	Key West	do			
Washington, N. C.	Nov. 12							No transactions	

a Previously reported.

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla	Nov. 12							No report	
Baltimore, Md	do								20
Bangor, Me	do							No report	
Boston, Mass	do							do	
Carrabelle, Fla	do							do	
Cedar Keys, Fla	Nov. 5								17
Charleston, S. C	Nov. 12								2
Charlotte Harbor, Fla	do							No report	
Elizabeth River, Va	do								18
Galveston, Tex	do							No report	
Gardiner, Oreg	do							do	
Key West, Monroe Co., Fla.	do	Am. ss. Mascotte.	Nov. 9	Habana	Port Tampa	Remanded to Mullet Key Quarantine for treatment.			5
Los Angeles, Cal	Nov. 5							No transactions	
Mayport, Fla	Nov. 12							No report	
Mobile, Ala	do							do	
New Bedford, Mass	do							do	
New Orleans, La	do							do	
Newport News, Va	do								15
Newport, R. I	do							No report	
New York, N. Y	do							do	
Pass Cavallo, Tex	do							do	
Providence, R. I	do							No transactions	
Round Island, Miss	do								2
St. Helena Entrance, S. C	do							No report	
San Pedro, Cal	Nov. 5							No transactions	
Savannah, Ga	do								5
Tampa Bay, Fla	do								10

Reports of States and yearly and monthly reports of cities of the United States.

CALIFORNIA—*Sacramento.*—Month of October, 1898. Estimated population, 30,000. Total number of deaths, 32, including diphtheria, 1; enteric fever, 2, and 9 from phthisis pulmonalis.

CONNECTICUT—*Hartford.*—Month of October, 1898. Estimated population, 72,000. Total number of deaths, 94, including diphtheria, 2; enteric fever, 9; whooping cough, 1, and 13 from phthisis pulmonalis.

Westport.—Month of October, 1898. Estimated population, 4,000. Total number of deaths, 3, including 1 from phthisis pulmonalis.

IOWA, *Davenport.*—Month of October, 1898. Estimated population, 37,000. Total number of deaths, 28, including diphtheria, 2, and 2 from phthisis pulmonalis.

MAINE—*Portland.*—Four weeks ended October 29, 1898. Estimated population, 41,500. Total number of deaths, 72, including enteric fever, 5, and 5 from phthisis pulmonalis.

MASSACHUSETTS—*Brockton.*—Month of October, 1898. Estimated population, 35,853. Total number of deaths, 46, including diphtheria, 1; enteric fever, 2, and 4 from phthisis pulmonalis.

Fitchburg.—Month of October, 1898. Estimated population, 28,392. Total number of deaths, 27, including enteric fever, 1; whooping cough, 1, and 4 from phthisis pulmonalis.

Holyoke.—Month of October, 1898. Estimated population, 44,214. Total number of deaths, 58, including diphtheria, 2; enteric fever, 1; whooping cough, 1, and 8 from phthisis pulmonalis.

North Attleboro.—Month of October, 1898. Estimated population, 6,720. Total number of deaths, 10, including 2 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended November 5, 1898, from 65 observers, indicate that pleuritis, pneumonia, intermittent fever, inflammation of kidney, and erysipelas increased and typhoid fever decreased in area of prevalence. Phthisis pulmonalis was reported present at 187, enteric fever at 72, diphtheria at 39, scarlet fever at 32, whooping cough at 12, measles at 4 places, and smallpox at 1 place—Ecorse township.

MINNESOTA—*Minneapolis.*—Four weeks ended October 8, 1898. Estimated population, 192,833. Total number of deaths, 189, including diphtheria, 2; enteric fever, 11, and 20 from phthisis pulmonalis.

Winona.—Month of October, 1898. Estimated population, 24,000. Total number of deaths, 19, including 1 from phthisis pulmonalis.

NEW YORK—*Auburn.*—Month of October, 1898. Estimated population, 30,000. Total number of deaths, 31, including typhoid fever, 1, and 1 from phthisis pulmonalis.

Yonkers.—Month of October, 1898. Estimated population, 42,000. Total number of deaths, 67, including diphtheria, 1; whooping cough, 2, and 2 from phthisis pulmonalis.

NORTH CAROLINA.—Reports to the State board of health for the month of September, 1898, from 24 towns, having an aggregate population of 154,803—white, 87,648, colored, 67,115, show a total of 186 deaths, including enteric fever 9; whooping cough, 2, and 24 from phthisis pulmonalis.

OHIO.—*Cleveland.*—Month of October, 1898. Estimated population, 370,000. Total number of deaths, 340, including diphtheria, 28; enteric fever, 21; measles, 1; scarlet fever, 2, and 18 from phthisis pulmonalis.

PENNSYLVANIA—*Williamsport.*—Month of October, 1898. Estimated population, 27,132. Total number of deaths, 12, including diphtheria 1, and 1 from phthisis pulmonalis.

WISCONSIN—*Superior.*—Month of September, 1898. Estimated population, 35,000. Total number of deaths, 29. Month of October. Total number of deaths not reported. Four deaths from diphtheria.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—										
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Allegheny, Pa	Nov. 12	105,287	49	5						3		1		1
Ashtabula, Ohio	do	8,338	6											
Boston, Mass	do	448,477	200	17						5	1	7	1	
Brockton, Mass	Nov. 5	27,294	6	1										
Bucyrus, Ohio	Nov. 12	5,974	2	1										
Cambridge, Mass	do	70,028	21	1						1		2		
Charleston, S. C	Nov. 5	a 54,955	b 35	5						1				
Chicago, Ill	Nov. 12	1,099,850	395	48						13	2	22	2	2
Cincinnati, Ohio	Nov. 4	296,908		15						2		2		
Cleveland, Ohio	Nov. 12	261,353	95	3						2	2	8		1
Denver, Colo	Oct. 29	106,713	45	6						4		2		
Do	Nov. 5	106,713	32	10								1		
Detroit, Mich	Nov. 12	205,876		8						1		1		
Dunkirk, N. Y	Nov. 5	9,416	0											
Erie, Pa	Nov. 12	40,634	9											
Everett, Mass	Nov. 5	11,068	8	2								1		
Fall River, Mass	Nov. 12	74,398	25	1						1				
Fitchburg, Mass	Nov. 5	22,037	4											
Flint, Mich	Nov. 12	9,803	3	1										
Grand Rapids, Mich	Nov. 5	60,278	16	1						1		1		
Do	Nov. 12	60,278	15	1						1				
Green Bay, Wis	Nov. 5	9,069	2											
Haverhill, Mass	Nov. 12	27,412	7	1						1				
Hoboken, N. J	do	43,648	22	5							1	2		
Jacksonville, Fla	Nov. 5	17,201	13	1						7				
Jersey City, N. J	Nov. 6	163,003	78	9						3	1	5		
Johnstown, Pa	Nov. 12	21,805	7							1				
Kalamazoo, Mich	Nov. 5	17,853	2											
Lawrence, Mass	do	44,654	23	1							1	1		
Lowell, Mass	Nov. 12	77,696	24	2						2		2		
Lynchburg, Va	do	19,709	5											
McKeesport, Pa	Nov. 5	20,741	9									2		
Manchester, N. H	Nov. 12	44,126	22	2						1	1	3		
Massillon, Ohio	Nov. 5	10,092	3									1		
Do	Nov. 12	10,092	4							1		1		
Medford, Mass	do	11,079	4											
Melrose, Mass	do	8,519	1	1										
Memphis, Tenn	do	64,495	21	4						1				
Michigan City, Ind	do	10,776	3	1										
Middletown, N. Y	Nov. 7	11,977	3											
Milwaukee, Wis	Nov. 5	204,468	64	3						1		2		1
Do	Nov. 12	204,468	58	2						1		5		
Minneapolis, Minn	Nov. 5	164,738	46	4						1		3		

a Estimated population, 65,165—white, 28,870; colored, 36,295. b White, 11; colored, 24.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from— Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Nashville, Tenn	Nov. 12	76,168	48	5						1		7		
New Bedford, Mass	do	40,733	20	1								1		
Newburyport, Mass	Nov. 5	13,947	4											
Newport, R. I	do	19,457	10											
Do	Nov. 12	19,457	7											
New York, N. Y	do	a3,438,899	1,088	154						21	5	22	4	6
Norristown, Pa	do	19,791	3											
North Adams, Mass	do	16,074	5							1		1		
Omaha, Nebr	Nov. 5	140,452	28											
Oneonta, N. Y	Nov. 12	6,272	1											
Orange, N. J	do	18,844	15	4								4		
Petersburg, Va	Nov. 13	22,680	8								3			
Philadelphia, Pa	Oct. 29	1,046,964	b348	34						c12	1	12		4
Do	Nov. 5	1,046,964	d394	62						e14	2	30		2
Do	Nov. 12	1,046,964	397	55						f5	1	24		4
Pittsburg, Pa	Nov. 5	238,617	92	6						9	1	1		3
Pittsfield, Mass	Nov. 12	17,281	8											
Plainfield, N. J	do	11,267	4							1				
Portland, Me	do	36,425	18	2						1	1			
Providence, R. I	do	132,146	40	6										
Pueblo, Colo	Nov. 5	24,558	8							1				
Salt Lake City, Utah	do	44,843	5											
San Diego, Cal	do	16,159	2											
San Jose, Cal	Oct. 31	18,060	7											
Sault Ste. Marie, Mich	Nov. 5	5,760	4											
Scranton, Pa	Nov. 12	75,215	19									1		1
Shreveport, La	do	11,979	5	1										
Spokane, Wash	Nov. 5	19,922	7	1								1		
Taunton, Mass	Nov. 12	25,448	10							1				
Waltham, Mass	do	18,707	6											
Warren, Ohio	do	5,973	1											
Washington, D. C	Nov. 5	230,392	126	17						6		5		
Westfield, Mass	do	9,805	0											
Do	Nov. 12	9,805	6	1										
Wilmington, Del	do	61,431	22	3						1				
Winona, Minn	Nov. 5	18,208	3											
Worcester, Mass	Oct. 28	84,655	27	3							2			
Do	Nov. 4	84,655	35	2								4		
Do	Nov. 11	84,655	32	7										
Yonkers, N. Y	do	32,033	11	3										
Youngstown, Ohio	Nov. 12	33,220	7	1										

a Estimated. b Seven soldiers. c Seven soldiers. d Eight soldiers. e Two soldiers. f One soldier.

Table of temperature and rainfall, week ended November 7, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	aExcess.	aDefic'ncy.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me	41	4		.99	.55	
Portland, Me	42	3		.92		.84
Northfield, Vt	39	3		.71		1.59
Boston, Mass	45	4		1.12		.76
Vineyard Haven, Mass	48	2		.78	.09	
Nantucket, Mass	48	2		.84	.21	
Woods Hole, Mass	47	4		1.12		.52
Block Island, R. I	49	0		.98		.53
New Haven, Conn	45	2		.95		.78
Albany, N. Y	44	3		.70		.43
New York, N. Y	47	4		.86		.70
Harrisburg, Pa	46	2		.70		.70
Philadelphia, Pa	48	3		.73		.33
New Brunswick, N. J	48		1	.90		.55
Atlantic City, N. J	48	1		.77		.47
Baltimore, Md	49	1		.70		.60
Washington, D. C	48	1		.70		.45
Lynchburg, Va	50	0		.70		.38
Cape Henry, Va	55	0		.84		.37
Norfolk, Va	53	1		.76		.43
Charlotte, N. C	54	0		.70		.62
Raleigh, N. C	54	0		.72		.54
Kittyhawk, N. C	57		1	.91		.06
Hatteras, N. C	58	0		1.26		.98
Wilmington, N. C	58		1	.63		.50
Columbia, S. C	58		2	.50	.21	
Charleston, S. C	61		1	.70		.61
Augusta, Ga	57		1	.64		.53
Savannah, Ga	61	0		.59		.54
Jacksonville, Fla	64	1		.68		.58
Jupiter, Fla	75	0		1.00		.93
Key West, Fla	76		2	.63	.08	
Gulf States:						
Atlanta, Ga	56	1		.72		.37
Tampa, Fla	67	2		.42		.42
Pensacola, Fla	63	0		.84		.64
Mobile, Ala	61		1	.81		.45
Montgomery, Ala	59	0		.64	.44	
Vicksburg, Miss	59	2		1.02		.75
New Orleans, La	64	0		.95		.90
Shreveport, La	59	2		.96		.96
Fort Smith, Ark	56	3		.80		.80
Little Rock, Ark	56	3		1.05		1.02
Palestine, Tex	62	1		.95		.91
Galveston, Tex	66	0		1.00		1.00
San Antonio, Tex	65	1		.42		.42
Corpus Christi, Tex	68	1		.64		.52
Ohio Valley and Tennessee:						
Memphis, Tenn	55	4		.98		.28
Nashville, Tenn	53	1		.77		.31
Chattanooga, Tenn	54		3	.88		.51
Knoxville, Tenn	50		1	.82		.41
Louisville, Ky	50		1	.82		.36
Indianapolis, Ind	47		1	.81	.01	
Cincinnati, Ohio	49	0		.70		.25
Columbus, Ohio	46	0		.70		.21
Parkersburg, W. Va	48	1		.70		.14
Pittsburg, Pa	47	3		.56		.23
Lake Region:						
Oswego, N. Y	43	3		.77		.57
Rochester, N. Y	43	5		.70		.32
Buffalo, N. Y	43	5		.84		.03
Erie, Pa	46	3		1.05	.03	
Cleveland, Ohio	45	1		.70		.14
Sandusky, Ohio	46	1		.70		.40
Toledo, Ohio	45	2		.65		.25
Detroit, Mich	44	3		.62		.30
Lansing, Mich	42	3		.56		.10
Port Huron, Mich	41	5		.70		.21
Alpena, Mich	39			.75		
Sault Ste. Marie, Mich	37	7		.63	.26	
Marquette, Mich	38	6		.65	.31	
Green Bay, Wis	41	4		.54		.18
Grand Haven, Mich	43	4		.70		.16
Milwaukee, Wis	42	5		.49		.34
Chicago, Ill	45	3		.68		.44
Duluth, Minn	37	4		.42		.42

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended November 7, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	a Excess.	a Defic'ncy.	Normal.	Excess.	Deficiency.
Upper Mississippi Valley:						
St. Paul, Minn	39	5		.28		.11
La Crosse, Wis	41	5		.35		.33
Dubuque, Iowa	43	6		.49		.49
Davenport, Iowa	44	6		.49		.47
Des Moines, Iowa	44	6		.52		.52
Keokuk, Iowa	46	7		.51		.19
Hannibal, Mo	46	8		.53	.33	
Springfield, Ill	48	3		.67	.21	
Cairo, Ill	52	3		.92		.76
St. Louis, Mo	51	4		.72		.51
Missouri Valley:						
Columbia, Mo	47	8		.56		.02
Springfield, Mo	51	5		.81		.81
Kansas City, Mo	49	7		.60		.10
Topeka, Kans	45	10		.29		.29
Wichita, Kans	50	7		.26		.26
Concordia, Kans	47	7		.21		.21
Lincoln, Nebr	43	9		.27		.26
Omaha, Nebr	45	5		.32		.32
Sioux City, Iowa	43	8		.14		.14
Yankton, S. Dak	40	9		.20		.20
Valentine, Nebr	41			.14		
Huron, S. Dak	38	6		.15		.13
Pierre, S. Dak	40	8		.14		.14
Moorhead, Minn	34	3		.23		.19
Bismarck, N. Dak	34	7		.20		.16
Williston, N. Dak	35	3		.14		.11
Rocky Mountain Region:						
Havre, Mont	38	4		.15		.15
Helena, Mont	38	3		.14		.05
Miles City, Mont	37	3		.14	.05	
Rapid City, S. Dak	40	6		.14		.14
Spokane, Wash	41			.35		
Wallawalla, Wash	47			.33		
Baker City, Oreg	40	1		.21		.09
Winnemucca, Nev	41			.11		
Idaho Falls, Idaho	35	3		.28		.20
Salt Lake City, Utah	44	4		.35	.15	
Lander, Wyo	32	8		.21		.20
Cheyenne, Wyo	39	3		.10	.08	
North Platte, Nebr	42	4		.12		.11
Denver, Colo	43	5		.17		.17
Pueblo, Colo	42	6		.10		.10
Dodge City, Kans	47	7		.19		.19
Oklahoma, Okla	53	8		.42		.42
Amarillo, Tex	48	7		.02		.02
Abilene, Tex	59	5		.41		.41
Santa Fe, N. Mex	42	8		.21		.21
El Paso, Tex	56	5		.14		.14
Phœnix, Ariz	61	7		.07		.07
Pacific Coast:						
Seattle, Wash	47	2		.98		.57
Tacoma, Wash	46	2		1.28		.12
Fort Canby, Wash	50	0		1.66	.10	
Portland, Oreg	48	0		1.21		.43
Roseburg, Oreg	48	1		.74		.02
Eureka, Cal	51			.70		
Redbluff, Cal	57			.52		
Carson City, Nev	44	3		.25		.25
Sacramento, Cal	57	4		.35		.35
San Francisco, Cal	58	3		.45		.45
Fresno, Cal	58	2		.25		.25
San Luis Obispo, Cal	61	6		.21		.21
Los Angeles, Cal	60	3		.07		.07
San Diego, Cal	66			.07		
Yuma, Ariz	60	6		.42		.42

a The figures in these columns represent the average daily departure.

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to November 18, 1898.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong	Apr. 24-Apr. 30	5	3	
India:				
Bombay	Nov. 24-Nov. 30		4	
	Dec. 1-Mar. 1		55	
	Mar. 2-Mar. 29		11	
	Mar. 30-May 24		16	
	June 1-June 7		1	
	June 20-June 28		2	
	July 5-July 12		3	
	July 19-July 26		4	
	July 26-Aug. 30		4	
	Sept. 13-Sept. 27		2	
	Oct. 3-Oct. 11		2	
Calcutta	Nov. 14-Dec. 4		42	
	Dec. 5-Jan. 1		31	
	Jan. 2-Jan. 29		28	
	Jan. 30-Feb. 26		82	
	Feb. 27-Mar. 26		95	
	Mar. 27-June 11		271	
	June 25-July 16		17	
	July 16-July 30		8	
	July 31-Aug. 20		10	
	Aug. 27-Sept. 3		4	
	Sept. 4-Sept. 24		9	
Madras	Nov. 20-Dec. 10		8	
	Dec. 4-Dec. 31		11	
	Jan. 1-Jan. 28		45	
	Jan. 29-June 10		43	
	May 28-June 3		1	
	July 9-July 22		43	
	July 22-July 29		36	
	July 30-Aug. 5		38	
	Aug. 6-Aug. 12		71	Cholera reported epidemic.
	Sept. 4-Sept. 30		169	
	Oct. 1-Oct. 8		21	
Singapore	Nov. 1-Nov. 30		1	
	Dec. 1-Dec. 31		1	
	Mar. 1-Mar. 31		1	
Japan:				
Awomori Ken	Aug. 17-Sept. 11	1		
Fukuoka Ken	June 27-July 27	1		
Fukushima Ken	Aug. 17-Sept. 11	3	2	
Hiogo	May 19-June 5	1	1	
Ishikawa Ken	June 27-July 27	3	2	
Kanagawa Ken	Mar. 24-June 26	15	7	
	Aug. 17-Sept. 29	6	3	
Okayama	Apr. 29-May 19	1		
Osaka and Hiogo	Mar. 26-June 11	4	2	
	May 21-May 28	1		
	July 16-Sept. 3	7	4	
Tokyo Fu	Apr. 11-June 15	14	4	
	July 28-Sept. 29	29	20	
Yamagata Ken	June 27-July 27	1		
Yokohama	Apr. 15-Apr. 29		1	
Straits Settlements:				
Singapore	June 1-June 30		1	

YELLOW FEVER.

Brazil:				
Araraguara	Mar. 1-Mar. 31	4	3	
	Apr. 1-May 31	125	57	
Bahia	Dec. 27	3	2	
	Dec. 29	6		Taken off of Nor. bk. Adonis.
	May 2-June 7	6	3	
	Aug. 12-Aug. 25	5		
Ceara	Nov. 1-Nov. 30		1	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil—*Continued.*				
Descalvado	May 1-May 31	2	1	
Jaboticabal	Mar. 1-Mar. 31	35	16	
Para	Dec. 12-Jan. 1		24	
	Jan. 2-Jan. 15		22	
	Jan. 16-Feb. 28		30	
	June 1-June 23	5	1	
	Sept. 20-Oct. 3		3	
Ribeirao Bonito	Feb. 1-Mar. 31	99	22	
	Apr. 1-Apr. 30	6	3	
Rio Clara	Mar. 1-Mar. 31	9	4	
	Apr. 1-May 31	69	33	
Rio de Janeiro	Nov. 21-Dec. 4	1		
	Dec. 5-Jan. 1	8	3	
	Jan. 1-Jan. 29	22	17	
	Jan. 30-July 29		990	
	July 30-Sept. 2	59	39	
	Sept. 3-Sept. 23	18	10	
Sao Carlos de Pinhal	Feb. 28-Mar. 31	223	58	Yellow fever reported.
	Apr. 1-May 31	262	90	
	May 24			Yellow fever reported epidemic
Santos	Jan. 2-Jan. 8	1	1	
	Jan. 23-Jan. 29	3		
	Jan. 30-Feb. 28	21	3	
	Mar. 1-Mar. 31	32	13	
	Apr. 1-Apr. 30	103	52	In isolation hospital.
	May 3-May 24	159	97	84 deaths in isolation hospital.
	June 4-June 18	72	43	
Sao Paulo	Feb. 1-Mar. 31	4	3	
Taboticabal	Apr. 1-Apr. 30	106	42	
Tahir	May 1-May 31	3	1	
Victoria	Apr. 29-May 13	3	2	
Colombia:				
Cartagena	June 1-June 30		1	
	July 1-July 30	5	4	
	Sept. 1-Sept. 30	1	1	
Colon	June 6-June 22			Sporadic cases of yellow fever occur from time to time.
Costa Rica:				
Limon	June 14-Aug. 19		3	
	Aug. 16-Aug. 24		2	
	Aug. 25-Sept. 10		2	
Cuba:				
Cienfuegos	Dec. 20-Jan. 2		2	No reports received since hostilities with Spain began.
	Jan. 3-Jan. 23		1	
Gibara	Sept. 1-Sept. 15	4	0	
Habana	Dec. 17-Dec. 30		6	
	Jan. 1-Nov. 3		119	
Manzanillo	Dec. 1-Dec. 31		28	Do.
	Jan. 1-Jan. 31		9	
	Feb. 14-Feb. 28		3	
Matanzas	Dec. 15-Jan. 19		4	Do.
	Feb. 9-Feb. 23		2	
Regla	Dec. 31-Feb. 28		7	Do.
	Mar. 1-Mar. 24		2	
Sagua la Grande	Dec. 18-Jan. 20			A few cases of yellow fever, but impossible to obtain statistics. No reports received since hostilities with Spain began.
Santiago de Cuba	Dec. 19-Jan. 29		6	
	July 20-Aug. 2			Yellow fever reported.
	Aug. 18	1		
Siboney	July 10	14		
Jamaica:				
Kingston	Dec. 19-Jan. 1	1	1	
	Jan. 2-Jan. 31	2	2	
	Feb. 5-Feb. 19	2	1	
	Aug. 10		1	From steamer Darien.
St. Andrew	Dec. 19-Jan. 1	1		
	Feb. 27-Mar. 5	1	1	
St. Catherine	Dec. 19-Jan. 1	1		
St. Elizabeth	Dec. 19-Jan. 1	1	1	
Mexico:				
Jimenez	Sept. 28			Yellow fever reported.
Monterey	Aug. 2			Do.
	Oct. 25	40		Do.
	Nov. 1	0	4	
	Nov. 2	11	8	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mexico—*Continued.*				
Monterey	Nov. 5	1	5	
	Nov. 6	0	3	
	Nov. 7		0	
	Nov. 8		2	
Tampico	July 17-July 24	15	7	
	July 24-July 31		9	
	Aug. 1-Sept. 4		122	Reported epidemic August 6.
	Sept. 5-Oct. 2		61	
	Oct. 3-Oct. 23		21	
Vera Cruz	July 9			1 case reported.
	Aug. 14-Sept. 15		23	
	Sept. 22-Oct. 6		16	
	Oct. 20-Oct. 27		13	
Santo Domingo:				
Santo Domingo	May 7-May 14	1	1	
San Salvador	June 4	34	8	Yellow fever reported.
	July 2	5	2	
	July 10-Aug. 7	33	6	
West Indies:				
Curacoa	June 4	10	1	On H. M. S. Atkmaar. Patients taken to quarantine hospital.
Yucatan:				
Merida	July 8			Yellow fever reported.

PLAGUE.

Arabia:				
Aden	July 28	1	1	Patient removed from steamship Carthage from Bombay.
Djiddah	Mar. 22-Apr. 16		34	
Nusiah	Mar. 1-Mar. 25	1		
China:				
Amoy	June 11			Plague reported. June 14, 20 deaths a day. Under date of June 14, the United States consul reports that in Amoy and three adjacent cities the deaths amount to "not less than 100 daily."
Canton	Mar. 22-Apr. 5	10		
Hongkong	Nov. 7-Nov. 20	2	2	
	Dec. 18-Jan. 1	2	2	
	Jan. 2-Jan. 29	6	5	
	Jan. 30-Feb. 26	64	56	
	Feb. 27-Apr. 30	596	529	
	Apr. 30-May 28	518	443	
	June 1-June 14	131	91	
	June 4-June 25		134	
	June 26-July 16		17	
	Aug. 7-Aug. 13	1		
	Aug. 27-Sept. 3	1	1	
Swatow	Mar. 25			Do.
Macao	Apr. 9			Do.
Shanghai	Apr. 23			On ss. Glenturret, in quarantine.
Egypt:				
Suez	May 5			1 case plague on ss. Mahale.
India:				
Bombay	Nov. 24-Nov. 30		70	
	Dec. 1-Feb. 8		4,833	
	Feb. 9-Mar. 1		3,436	
	Mar. 2-Mar. 29		4,579	
	Mar. 30-May 17		2,731	
	June 1-June 28		94	
	July 5-July 26		122	
	July 27-Aug. 30		467	
	Sept. 14-Sept. 27		276	
	Oct. 3-Oct. 11		240	
Calcutta	Apr. 25-May 4	25	12	Plague reported. "Sporadic." May 28.
	June 25-July 30		48	
	July 31-Sept. 3		27	
	Sept. 4-Sept. 24		10	
Japan:				
Hiogo	May 19-June 5	1	1	In quarantine on steamship Peru.
Osaka and Hiogo	May 21-May 28	1	1	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan—*Continued.*				
Taiwan, Formosa	Dec. 28-Apr. 28	505	84	
Formosa Ports (Taipeh-Tainan, and Taiwan.)	Apr. 29-June 15	2,338	1,483	
Yokohama	Mar. 1-Apr. 11	2	1	
Nagasaki	June 6-June 15	1	1	In quarantine steamship Hikozan Maru.
Karachi	Apr. 6-Apr. 12	51	31	
Russia:				
St. Petersburg	Mar. 26-Apr. 2		1	
	Aug. 13		1	

SMALLPOX.

Africa:				
Cape Colony	Sept. 3			Smallpox reported.
Lorenzo Morquez	Jan. 1-Jan. 31		3	
Natal	Sept. 3			Do.
Pretria	Sept. 3			Do.
Australia:				
Sydney	June 1-June 30	1		
Belgium:				
Antwerp	May 1-May 7	2		
	June 4-June 11	3	2	
	July 31-Aug. 6	1	2	
	Aug. 13-Aug. 20	2	1	
	Oct. 1-Oct. 22	10	4	
Brussels	June 4-June 11		1	
Ghent	May 7-May 14		1	
	July 9-July 30		4	
	Sept. 10-Sept. 17		1	
Liege	July 23-July 30		1	
	Aug. 13		1	
Bohemia:				
Prague	Dec. 12-Jan. 1	11		
	Jan. 2-May 14	151		
	June 11-June 18	5		
Brazil:				
Bahia	June 11-June 25	17		
	Aug. 28-Oct. 1	141	20	
	Oct. 2-Oct. 22	64	5	
Ceara	Mar. 1-Mar. 31		10	
Montevideo	May 14-May 21	1		
Pernambuco	Dec. 1-Dec. 25		8	
	Apr. 15-Apr. 23			
Rio de Janeiro	Nov. 21-Dec. 4	10		
	Dec. 5-Jan. 1	9	1	
	Jan. 1-Apr. 8	2	1	
	July 1-July 29	11		
	Aug. 26-Sept. 23	29	6	
Sao Paulo	Feb 1-July 29	40	13	
Sorocaba	Dec. 16-Jan. 30	32	10	
British Columbia:				
Vancouver	June 14	9		
Victoria	May 9	1		
Canada:				
Halifax	May 14-May 28	6		
Maissonneuve	Jan. 26-Feb. 16	3		
Montreal	Jan. 3-Jan. 12	3	0	
	Feb. 11-Feb. 16	1		
China:				
Hongkong	Nov. 7-Dec. 4	6	4	
	Dec. 5-Jan. 1	11	8	
	Jan. 2-Apr. 30	194	113	
	May 1-May 14		4	
	May 28-June 18	3	2	
Cuba:				
Cardenas	Dec. 19-Jan. 22		5	
	Mar. 6-Mar. 27		8	
Cienfuegos	Dec. 20-Jan. 2		7	
	Jan. 3-Jan. 23		19	
	Feb. 7-Feb. 27		35	
	Feb. 28-Apr. 3		9	
Habana	Dec. 17-Apr. 7		154	
Gibara	Sept. 1-Sept. 15	65	10	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Cuba—*Continued.*				
Matanzas	Jan. 20-Feb. 23	.....	8	
Regla	Feb. 18-Apr. 7	.....	3	
Sagua la Grande	Dec. 19-Jan. 29	233	29	
	Jan. 30-Feb. 26	470	35	
	Feb. 27-Apr. 4	437	26	
England:				
Bristol	Feb. 6-Feb. 19	1	.....	
	July 16-July 23	1	.....	
Leeds	Mar. 19-Apr. 9	6	4	
Liverpool	Jan. 15-Jan. 29	3	.....	
	Feb. 1-Apr. 2	6	.....	
London	Feb. 27-Mar. 26	4	.....	
	June 4-June 25	1	1	
	Aug. 21-Sept. 17	9	.....	
	Oct. 8-Oct. 15	.....	1	
Middlesborough	Feb. 9	90	.....	
Newcastle on Tyne	Mar. 19-June 18	13	2	
	June 25-July 2	.....	1	
Southampton	Jan. 8-Feb. 12	2	.....	
	June 18-June 25	2	3	Removed from vessels.
	Sept. 10-Sept. 17	5	.....	Do.
South Shields	May 7-May 14	1	.....	
Sunderland	Dec. 18-Jan. 8	1	.....	
	Feb. 27-Mar. 26	4	.....	
	June 11-June 18	1	.....	
West Hartlepool	Jan. 9-Jan. 22	5	.....	
France:				
Marseilles	May 1-May 31	1	1	
Nantes	July 1-July 31	.....	1	
Paris	July 2-July 9	.....	1	
	July 31-Aug. 6	.....	1	
Germany:				
Bremen	Apr. 23-May 14	2	.....	
Hamburg	Mar. 6-Mar. 12	2	.....	
	July 16-July 23	1	.....	
Gibraltar	Dec. 6-Dec. 12	1	.....	
	Dec. 27-Apr. 3	6	.....	
	Sept. 12-Sept. 25	2	.....	
Honduras:				
Tegucigalpa	July 9-July 23	2	.....	
India:				
Bombay	Feb. 9-May 24	.....	32	
	June 20-June 28	.....	3	
	July 5-July 12	.....	1	
	Aug. 2-Aug 30	.....	3	
	Oct. 3-Oct. 11	.....	1	
Calcutta	Dec. 19-Dec. 25	.....	1	
	Jan. 30-May 28	.....	56	
	June 4-June 11	.....	2	
	June 25-July 16	.....	5	
	Aug. 21-Sept. 3	.....	1	
	Sept. 4-Sept. 17	.....	2	
Madras	Nov. 27-Dec. 3	.....	1	
	Dec. 4-Dec. 31	.....	3	
	Jan. 1-Jan. 28	.....	6	
	Jan. 29-Feb. 4	.....	6	
	Feb. 5-Apr. 22	.....	66	
	Apr. 30-May 20	.....	12	
	May 20-May 27	.....	2	
	July 22-July 29	.....	1	
	Aug. 6-Sept. 2	.....	4	
	Sept. 3-Sept. 23	.....	3	
Singapore	Mar. 1-Mar. 31	.....	1	
	Aug. 1-Aug. 31	.....	1	
Italy:				
Messina	Dec. 12-Jan. 8	.....	5	
	Jan. 30-May 21	.....	5	
Japan:				
Aichi Ken	Dec. 28-June 5	9	1	
	June 27-July 27	4	.....	
	Sept. 20-Sept. 29	1	.....	
Akita Ken	Dec. 28-June 5	18	4	
	June 27-July 27	4	2	
	Aug. 17-Sept. 11	53	16	
Awomori Ken	Dec. 28-Aug. 16	244	39	
	Aug. 17-Sept. 29	64	21	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan—*Continued.*				
Chiba Ken	Dec. 28-Apr. 10	9	.....	
	June 27-July 27	1	.....	
Formosa	Feb. 4-Mar. 3	7	4	
Fukui Ken	Dec. 28-Feb. 3	1	.....	
Fukuoka Ken	Mar. 24-June 5	6	.....	
Fukushima Ken	Dec. 28-Aug. 16	151	39	
Gifu Ken	Feb. 4-Feb. 22	1	.....	
Gumma Ken	Feb. 4-Feb. 22	1	.....	
Hiogo	Apr. 29-June 5	3	.....	
	June 27-July 27	6	1	
Hiroshima Ken	Jan. 22-Feb. 3	1	.....	
Ishikawa Ken	Apr. 29-May 19	2	.....	
	Sept. 12-Sept. 19	1	.....	
Iwate Ken	Dec. 28-June 5	47	10	
	June 27-July 27	4	2	
Kagoshima Ken	Feb. 4-Feb. 22	1	.....	
Kanagawa Ken	Dec. 28-Jan. 21	3	.....	
	June 27-July 27	1	.....	
Kioto Fu	Apr. 29-May 19	1	.....	
Kochi Ken	Dec. 28-Jan. 21	1	.....	
Miyagi Ken	Dec. 17-July 27	107	27	
Miyazaki Ken	Jan. 22-Feb. 3	3	1	
	Apr. 29-June 5	96	7	
	June 16-June 26	1	.....	
Nagano Ken	Feb. 4-Mar. 23	9	5	
	Apr. 29-May 19	1	.....	
Nagasaki Ken	Jan. 22-Mar. 23	4	1	
	Apr. 29-May 19	1	.....	
Nara	Apr. 29-May 19	1	.....	
Niigata Ken	Mar. 4-Mar. 23	4	1	
	June 16-June 26	1	.....	
Oita Ken	July 28-Aug. 16	1	.....	
Okayama Ken	Feb. 4-Apr. 10	3	1	
	June 16-June 26	1	.....	
Osaka Fu	Dec. 28-June 5	4	.....	
	June 27-July 27	1	.....	
Oyama Ken	Mar. 4-Mar. 23	1	.....	
Saitama Ken	Dec. 17-Dec. 27	1	.....	
Shidzuoka Ken	Apr. 29-May 19	2	1	
Shiga Ken	May 19-June 26	3	.....	
Tochigo Ken	Mar. 24-Apr. 10	1	.....	
Tokyo Fu	Dec. 28-Mar. 23	6	.....	
	June 16-July 27	9	.....	
	Sept. 20-Sept. 29	1	.....	
Tokushima Ken	Apr. 29-June 5	3	.....	
Tottori	June 6-June 15	1	.....	
Yamagata Ken	Jan. 22-Aug. 16	48	9	
	June 27-July 27	4	1	
	Aug. 17-Sept. 29	8	.....	
Yamaguchi Ken	Feb. 4-Apr. 28	10	1	
Yamanashi Ken	Mar. 24-Apr. 28	5	1	
	June 27-July 27	4	1	
Yehime Ken	Dec. 17-Apr. 10	59	13	
	Apr. 29-June 26	12	.....	
The Hokkaido	Dec. 17-June 15	510	142	
	July 28-Sept. 29	4	2	
Mexico:				
Nogales	May 13	4	.....	
Norway:				
Christiania	Mar. 20-May 21	19	2	
	July 2-July 23	9	1	
	July 31-Aug. 13	4	.....	
	Aug. 13-Aug. 20	1	1	
Nova Scotia:	Aug. 20-Aug. 27	1	.....	
Halifax	June 4-June 11	3	.....	At quarantine hospital.
Netherlands:				
Amsterdam	Dec. 12-Dec. 24	1	.....	
Rotterdam	Dec. 12-Dec. 31	3	1	
	Jan. 1-Jan. 29	1	.....	
Russia:				
Moscow	Nov. 28-Dec. 4	1	1	
	Dec. 5-Dec. 11	1	1	
	Jan. 1-May 14	63	17	
	May 21-May 28	4	2	
	June 4-July 9	30	11	
	July 23-July 30	2	2	
	Aug. 27-Sept. 24	40	3	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia—*Continued.*				
Moscow	Oct. 3-Oct. 15	19	7	
Odessa	Dec. 5-Jan. 1	53	9	
	Jan. 2-Jan. 29	34	7	
	Jan. 30-July 3	.....	21	
	July 23-Aug. 6	7	2	
	Aug. 13-Oct. 22	26	4	
St. Petersburg	Dec. 4-Dec. 25	35	13	
	Jan. 9-Jan. 29	56	19	
	Jan. 30-July 30	.....	80	
	Aug. 6-Aug. 27	3	.....	
	Aug. 28-Sept. 3	6	2	
	Sept. 4-Sept. 24	8	5	
	Oct. 8-Oct. 22	4	2	
Warsaw	Dec. 19-May 28	.....	136	
	June 4-June 18	.....	15	
	June 25-July 23	.....	22	
	Aug. 1-Aug. 8	.....	6	
	Aug. 13-Aug. 20	.....	3	
	Sept. 3-Oct. 15	.....	36	
Scotland:				
Edinburgh	Apr. 16-Apr. 30	2	.....	
Glasgow	Dec. 5-Dec. 25	3	1	
Leith	Apr. 3-Apr. 30	2	1	
Spain:				
Corunna	Jan. 1-Feb. 5	.....	2	
Madrid	Dec. 22-Dec. 28	.....	1	
	Feb. 8-Apr. 6	.....	3	
Straits Settlements:				
Singapore	June 1-June 30	.....	3	
Turkey:				
Constantinople	Jan. 10-Feb. 6	.....	53	
	Feb. 28-May 8	.....	94	
	Sept. 5-Sept. 25	.....	17	
	Sept. 26-Oct. 17	.....	21	
Uruguay:				
Montevideo	Dec. 25-Mar. 19	5	.....	
	May 1-May 7	.....	1	
	June 19-June 26	1	.....	
	July 9-July 16	2	.....	
	July 30-Aug. 6	1	.....	
Venezuela:	Sept. 1-Sept. 13	1	.....	
Caracas	June 7-July 25	.....	.....	More than 150 cases in the city.
Puerto Cabello	Apr. 2-Apr. 11	23	6	Smallpox increasing, June 7, 1898.
Valencia	Apr. 2-Apr. 11	54	.....	July 23, about 1,000 cases.
Wales:				
Cardiff	Dec. 18-Dec. 24	1	.....	

BELGIUM.

Mortality statistics for the principal cities for the month of September, 1898.

ranslated in this Bureau from th e monthly reports of the Societé Royale de Médicine Publique.

Cities.	Population.	Phthisis pulmonalis.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	Total deaths from all causes.
Antwerp	282,872	0	3	0	2	21	0	1	1	499
Borgerhout	33,419	6	0	0	1	5	1	3	0	82
Bruges	50,990	6	7	0	.....	0	2	2	.....	60
Brussels	205,451	27	0	0	6	1	1	1	5	318
Courtrai	32,949	0	0	0	0	0	0	13	15	77
Liege	168,150	22	0	0	4	0	0	0	3	265
Louvain	41,906	6	0	0	0	0	0	0	0	48
Mechlin	54,848	2	0	0	7	0	1	0	0	85
Namur	32,732	2	0	0	1	4	0	0	0	59
Seraing	37,832	3	0	0	0	0	0	0	0	63
Tournai	36,214	0	0	0	0	0	0	0	0	75
Verviers	52,726	10	0	0	0	0	1	0	0	69
Totals	1,030,089	84	10	0	21	31	6	20	24	1,700

AZORES.

Azores remove quarantine against New York.

DEPARTMENT OF STATE,
Washington, D. C., November 11, 1898.

SIR: I have the honor to quote for your information the following telegram received from the consul in charge of our legation at Lisbon:

"Steamer *Vega*, from New York, October 30, allowed usual pratique Azores."

This appears to indicate the satisfactory removal of the yellow fever quarantine recently proclaimed at the Azores against New York.

I have the honor to be, sir, your obedient servant,

JOHN HAY.

Hon. SECRETARY OF THE TREASURY.

BARBADOS.

Sanitary report from Barbados.

BARBADOS, *October 29, 1898.*

SIR: I have to report as follows: Trinidad is admitting to pratique vessels arriving from ports south of Cape Paria on their producing clean bills of health signed by the British vice-consul at Ciudad Bolivar and by agents of the Trinidad Government at Guiria and Maturin.

At St. Thomas all arrivals there from Puerto Rico are subject to inspection by the health officer.

At Jamaica there had been, on the 12th instant, a mild case of yellow fever at Buff Bay, over 50 miles from Kingston, which recovered.

The reports furnished by the chairman of the St. Lucia quarantine board are as follows:

Bahia: For the fortnight ended October 19, clean bill of health.

Manaos: On October 15, clean bill of health.

Para: For the fortnight ended October 21, 3 deaths from yellow fever.

Pernambuco and Santos: For the fortnight ended October 10, clean bills of health.

Rio Janeiro: For the fortnight ended October 13, 12 cases of yellow fever, and 32 deaths from smallpox.

The schooner *Lena* arrived on the 25th instant, and the *Nellie M. Johnston* last night, both from Neguabo, Puerto Rico, with clean British consular bills of health; and the R. M. S. *Solent*, arrived this morning from San Juan, Mayaguez, Aguadila, and Ponce, Puerto Rico, with clean British consular bills of health from those places. The acting British consul-general at San Juan writes, under date 21st instant, in reply to inquiries from this Government: "I hear that 4 cases of yellow fever did occur among the American troops near Ponce some time ago, but proper precautions were taken by the military authorities to isolate the men, and there have been no new cases reported since. I am informed that no cases of smallpox have been reported, and that the only disease now prevalent at some camps is dysentery, and some cases of malaria and typhoid fever."

This colony is quarantining the following places: Bahia, Cuba, Para, Rio Janeiro, Santos, and Venezuela (excepting Ciudad Bolivar and Barancas).

The public health here is good with the exception of cases of dysen-

tery and typhoid fever in the country districts, the result of the late storm.

I have the honor to be, sir, your obedient servant,

JAS. SANDERSON, *Clerk, Quarantine Board,*

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

BRAZIL.

Sanitary report from Rio.

RIO DE JANEIRO, *October 4, 1898.*

SIR: I have the honor to transmit to you the official reports for the weeks ended 16th and 23d of September.

There were, during the week from the 10th to the 16th of September, 234 deaths from all causes, an increase of 37 as compared with the foregoing week; 12 deaths from accesso pernicioso, an increase of 8; 2 deaths from yellow fever, a decrease of 3; 2 deaths from typhoid fever, none before; no death from whooping cough, 1 death before; 3 deaths from beriberi, an increase of 2, and 54 deaths from tuberculosis, an increase of 18.

During the week ended September 23, there were 225 deaths from all causes, a decrease of 9, as compared with the foregoing week; 9 deaths from accesso pernicioso, a decrease of 3; 3 deaths from yellow fever, an increase of 1; 4 deaths from smallpox, none before; 2 deaths from typhoid fever, the same as before; 1 death from whooping cough, none before; 2 deaths from beriberi, a decrease of 1, and 38 deaths from tuberculosis, a decrease of 16. * * *

Information.—The continuance of the rain has improved the sanitary state in the city of Rio de Janeiro, as may be seen by the above-mentioned figures. Yellow fever prevails only on a moderate scale. There have been some cases of smallpox, but for the most part of a benignant character.

From the state of Sao Paulo I can give you some official data concerning the sanitary conditions during the month of July. The total number of deaths was 2,569, a decrease of 945, as compared with the month of June. From tuberculosis there died 148 persons, a decrease of 13, and from malarial fevers, 75 persons, a decrease of 31.

From typhoid fever there died 25 persons, of whom 5 were in the capital.

From yellow fever there occurred 25 deaths at Santos, a decrease of 39, 4 cases at the city of Sao Paulo, a decrease of 2, 1 at Campinas, and 3 at Jahu. The city of Sao Carlos de Pinhal, which suffered very much before, was in that month perfectly free from that disease.

From smallpox there died 65 persons at Sao Paulo, 2 at Santos, 1 at Sorocaba, 2 at Bragança, and 1 at Santo Amaro. Of these 65 deaths at Sao Paulo, 54 persons died in the isolation hospital, and the rest at their private homes. In the isolation hospital there were treated 133 smallpox patients.

In regard to other infectious diseases there were in the state of Sao Paulo 10 deaths from measles, 4 deaths from diphtheria, 32 deaths from whooping cough, 9 deaths from erysipelas, 25 deaths from dysentery, of which 9 deaths were at the capital, and 6 deaths of lepra.

Since last report the following-named ships have been inspected and received bills of health of this office: September 20, bark *Brilliant*, Norwegian, for Ship Island. September 21, steamship *Buffon*, British,

for New York. September 22, bark *Odd*, Norwegian, for Pascagoula. September 27, bark *Duo Fratelli*, Italian, for Pensacola; steamship *Janeta*, British, for St. Lucia. September 28, steamship *Florence*, British, for St. Lucia. September 30, steamship *Biela*, British, for New York. October 1, steamship *Kelvindale*, British, for Galveston; schooner *Canada*, British, for Norfolk; bark *Dom Pedro II*, American, for Baltimore. October 3, steamship *Horrax*, British, for New Orleans; steamship *Cyprian Prince*, British, for New York.

Respectfully, yours,

W. HAVELBURG, M. D.,
Sanitary Inspector, U. S. M. H. S.

CUBA.

Sanitary report from Habana.

HABANA, CUBA, *November 4, 1898.*

SIR: The following report for the week ended Thursday, November 3, is respectfully submitted:

Yellow fever.—There were 6 deaths from yellow fever during the week; 4 occurred among the Spanish troops, 1 in a civil hospital, and the other occurred at No. 70 Oficios street, which is near the harbor. Apparently the disease is slowly declining, still the atmospheric and other conditions favorable to the spread of the disease are all present. For four days a northeast gale has prevailed, and as a result the temperature has been considerably lowered.

Malarial fevers.—There is a decided decrease in the number of deaths from the different forms of malarial fevers. Last week there were 94 deaths from these fevers, while this week there were 60 deaths. Americans seem to be predisposed to the remittent form, but so far as my observation goes (7 cases) it is mild in type, and yields in nearly every instance to quinine. I see no difference between the fevers in these few cases and those to be found in the Southern States.

There is absolutely no difficulty in differentiating them from yellow fever, yet some persons who have suffered from an attack are being given certificates of immunity to yellow fever.

The deaths from all causes are decreasing, the mortality for the present week being lower than any week since September.

The rainfall during the week has been excessive. Incidentally it may be stated that the rainfall for October was over 13 inches.

Very respectfully,

W. F. BRUNNER,
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Mortality of the city of Habana for the week ended Thursday, November 3, 1898.

Cause of death.	Total.
Yellow fever	6
Enteric fever	34
Malarial fever	60
Pernicious fever	26
Smallpox	0
Enteritis	70
Dysentery	38
Tuberculosis	52
Pneumonia	5
Diphtheria	1
Hydrophobia	1
Inanition	2
Deaths from all causes	491
Deaths in military hospitals from yellow fever	4
Deaths in civil hospitals from yellow fever	1
Deaths in the city from yellow fever	1
Annual ratio per 1,000	122.15

INDIA.

Calcutta declared free from plague.

CONSULATE OF THE UNITED STATES,
Calcutta, October 12, 1898.

SIR: I have the honor to inclose herewith the official announcement of the Hon. Lieutenant-Governor of Bengal, published in The Englishman, of the 10th instant, that "Calcutta is now free from the infection of bubonic plague."

I have the honor to be, sir, your obedient servant,

R. F. PATTERSON,
United States Consul-General.

Hon. ASSISTANT SECRETARY OF STATE.

[Inclosure.]

The following Calcutta Gazette extraordinary has been issued:

It is hereby notified for general information that Calcutta is free from plague, and that all inspections of, and restrictions regarding travelers from Calcutta have been withdrawn.—E. N. BAKER, *Officiating Secretary to the Government of Bengal.*

TURKEY.

Sanitary report from Constantinople.

[Report No. 202.]

CONSTANTINOPLE, *October 17, 1898.*

SIR: According to the reports of the sanitary physician at Prevesa, in Epirus, the sanitary condition of said town has been very imperfect on account of the high prices which have existed during these last months. Another cause of the above-mentioned imperfect sanitary condition is the pollution of the waters supplied to that city. There was, among others, a little spring in Prevesa, the water of which was of the best quality. Without any reason known said water is no longer potable on account of its bad smell. I can not state whether said spring is in connection with the cemetery of the town or on account of the last war that dead bodies have been buried in the neighborhood of said spring. The inhabitants have suffered very much from diarrhea. The epidemic of smallpox continues.

An epidemic of diphtheria broke out at Malah, a little village eight hours' distant from Trebizonde, and at the height of 1,000 meters from the level of the sea. In said village there are only 200 inhabitants. Of these, 30 have already died from said disease, which certainly was not imported from outside—the surrounding villages, according to the sanitary report, being in a perfect sanitary condition.

In the province of Yemen typhoid fever broke out. I have written in my previous reports that in that province dearth exists as a consequence of drought, which has lasted three years.

In Constantinople smallpox and typhoid fever are always prevalent. There are also several cases of scarlet fever. From the 26th ultimo to the 17th instant 361 deaths have been registered. Of these, 5 are from scarlet fever, 3 from diphtheria, 21 from smallpox, and 12 from typhoid fever.

I have the honor to forward the French copy of the proceedings of

their sittings of the International Sanitary Commission for September 17 and October 4, with a copy of the report of the Ottoman sanitary commissioner in the Alexandria International Sanitary Commission.

The subject we dealt with in the sitting of the 17th ultimo was the lazaretto of Camaran, on which I have already had the honor to lay stress in my previous reports, and about which I have already forwarded a printed report. I forward the present copy, in which will be read what the vice-president of said International Sanitary Commission says about the way in which said lazaretto is built. At the beginning, it was decided that 500,000 francs would be spent for the buildings. Two millions nearly have been already spent, and the lazaretto is far from being finished and ready. In connection with this fact I beg you to remember the report which I forwarded on the sanitary commission, report 182.

The subject we dealt with in the sitting of October 4 was the quarantine of five days to which the arrivals from Djiddah were subjected in Egypt. I have already written about said question in my last report.

SPIRIDION C. ZAVITZIANO,
United States Sanitary Commissioner.

TURKEY.

[Inclosure No. 1.—Translated in this Bureau.]

Quarantine constructions at Camaran.—Proceedings of the superior council of health at Constantinople in regard to quarantine.

An extra session of the council was held September 17, to discuss the report on quarantine plant and buildings erected at Camaran, which was read at the session of the preceding week.

The delegate of the low countries stated that he had been instructed by his government to interview Engineer Roullet with regard to certain details of the work. He requested the council to reconsider its decision relative to the proposed adjournment of the construction of the pavilions of disinfection and the jetties for the following reasons:

The present pavilion of disinfection is situated at a point to reach which the pilgrims, in going and coming, have to pass through certain parts of the camp with which they should not be brought in contact. In the fifth and sixth divisions of the camp, which are set aside for the reception of infected arrivals, there is neither jetty nor special pavilion and infected arrivals have no resource but to be treated at the pavilion now existing. The situation is anomalous and highly dangerous for the indemn pilgrims who are undergoing quarantine, the more so in view of the spread of plague in India and the fact that infected arrivals are to be expected at Camaran. The lazaretto system adopted at Camaran requires the completion of pavilions of disinfection properly constructed at suitable locations. The same is true of the construction of jetties for the service of disembarkation and embarkation of pilgrims.

Dr. Zeri declared himself in favor of such work only as could be immediately executed. Such work would have to be completed before May of next year, as it has been found impossible to retain workmen during the summer months.

Dr. Dickson (English delegate) stated that on account of the increase of plague in India the construction of the jetties and pavilions projected for the 5th and 6th divisions of the station of Camaran were urgently and immediately necessary. The Indian Government, added Mr. Dickson, had at the instance of the council, prohibited the pilgrimage for last year, but having since subscribed to the Venice convention it could no longer maintain that interdict. What was to be done with infected arrivals at Camaran? Should the indemn divisions of the camp be compromised? He concluded by stating that his ambassador had instructed him to insist on the immediate construction of the jetties and pavilions.

Dr. Hagel declared that he condemned the deplorable system pursued up to the present time at Camaran, and wished formally to object to its continuance. Plans were proposed to the council, considered, adopted and authorized, and were finally modified, leaving the constructions incomplete. He asked for control in the matter of expense.

Ahmed Bey assented to Dr. Hagel's proposition and further proposed that the Imperial Government be petitioned to create a commission composed of officers of the army of Yemen to examine the plans of Engineer Roullet for the jetties and pavilions, and that on approval of the plans the commission should have authority to direct Engineer Roullet by telegraph to immediately commence work. Dr. Dickson assented but drew attention to the loss of time in waiting for the report of the commission. Dr. Zeri proposed the construction of one jetty and one pavilion at Camaran, pending the report of the commission. On deliberation the council finally adopted the following resolutions:

1. That the Imperial Government shall be asked to name a technical commission to report on the work already executed at Camaran.
2. The jetty and pavilion of disinfection to be constructed between the fifth and sixth divisions of the camp, according to the plans of Engineer Roullet, shall be immediately commenced, the work to be discontinued if found to exceed in cost the amount available.
3. The commission shall examine plans for other structures proposed for erection at Camaran, including suitable lodgings for pilgrims.

[Inclosure No. 2.—Translated in this Bureau.]

Pilgrimages to Mecca closed for this year, and the Hedjaz released from quarantine restrictions.

ALEXANDRIA, *October 4, 1898.*

Pursuant to my report of the 27th instant, I have the honor to inform you that at the session of October 4 the president of the quarantine council introduced the proposition to close the pilgrimage for this year, and to suspend the quarantine measures applicable to arrivals from the Hedjaz. This was followed by a lively discussion, many delegates formally opposing the suspension of quarantine measures. Believing that sporadic cases of plague might exist in the Hedjaz and escape detection by the sanitary authorities, they voted against the proposition. It received, however, the support of the president and the English delegate, and was accepted by a vote of 7 to 5. In consequence of this action the Hedjaz is free.

The delegates who voted in favor of the proposition were those from England, Norway and Sweden, Italy, the Low Countries, Belgium, the city sanitary inspector, and the writer. The delegates of Spain, Austria-Hungary, Germany, Russia, and Greece, voted against it. The delegate of France abstained from voting.

In the course of the discussion I was asked by the delegate from Austria-Hungary whether the commission instituted by the superior council of health was in performance of its functions at Djiddah. The delegate of England expressed the wish that telegraphic communication should be made with Yambo, and that a physician should be permanently established there.

DR. DUCA, *Ottoman Delegate.*

To the SANITARY ADMINISTRATION OF THE OTTOMAN EMPIRE, *Constantinople.*

FOREIGN STATISTICAL REPORTS.

AUSTRALIA—*Queensland—Brisbane.*—Month of August, 1898. Estimated population, 105,734. Total number of deaths, 100, including diphtheria, 2; enteric fever, 1; measles, 2; scarlet fever, 7; whooping cough 4, and 13 from phthisis pulmonalis.

BERMUDA.—Two weeks ended November 4, 1898. Estimated population, 15,013. Total number of deaths, 1, which was from enteric fever.

CHILE—*Antofagasta.*—Month of September, 1898. Estimated population, 14,000. Total number of deaths, 37, including enteric fever, 1, and 7 from phthisis pulmonalis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended October 29 correspond to an annual rate of 17.9 a thousand of the aggregate popu-

lation, which is estimated at 11,218,378. The highest rate was recorded in Liverpool, viz, 26.6, and the lowest in Croydon, viz, 9.6.

London.—One thousand four hundred and twelve deaths were registered during the week, including measles, 19; scarlet fever, 10; diphtheria, 46; whooping cough, 13; enteric fever, 20, and diarrhea and dysentery, 33. The deaths from all causes correspond to an annual rate of 16.3 a thousand. In greater London 1,817 deaths were registered, corresponding to an annual rate of 14.8 a thousand of the population. In the "outer ring" the deaths included 19 from diphtheria and 5 from scarlet fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended October 29 in the 23 principal town districts of Ireland was 23.3 a thousand of the population, which is estimated at 1,007,798. The lowest rate was recorded in Armagh, viz, 7.1, and the highest in Tralee, viz, 44.8 a thousand. In Dublin and suburbs 177 deaths were registered, including diphtheria, 3; enteric fever, 3; scarlet fever, 1, and whooping cough, 1.

Scotland.—The deaths registered in 8 principal towns during the week ended October 29 correspond to an annual rate of 20.0 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Leith, viz, 15.7, and the highest in Perth, viz, 27.2 a thousand. The aggregate number of deaths registered from all causes was 603, including diphtheria, 8; measles, 4; scarlet fever, 4, and whooping cough, 6.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Ampala	Oct. 8	1,500	0									
Do	Oct. 15	1,500	1					1				
Do	Oct. 22	1,500										
Amsterdam	Oct. 29	510,139	177					2			5	8
Antofagasta	Sept. 30	14,000	10									
Antwerp	Oct. 22	282,872	87			3		2	6	1	1	
Bahia	Oct. 15	200,000				1						
Do	Oct. 22	200,000				2						
Belize	Nov. 3	13,000	2									
Belleville	Nov. 7	10,300	3						1			
Berlin	Oct. 8	1,728,201	570					4	11	11	5	
Do	Oct. 15	1,728,201	500					4	15	12		
Birmingham	Oct. 29	510,343	199					1		2	3	1
Bombay	Oct. 11	821,764	a 990	2		1		1			2	
Bremen	Oct. 22	144,000	42					1				
Bristol	do	316,900	78									5
Brussels	do	531,024	172					2	1		1	1
Budapest	do	640,000					1		7	5	7	
Callao	Sept. 25	25,000	19									
Do	Oct. 9	25,000	18									
Calcutta	Oct. 1	681,560	354									
Catania	Oct. 27	120,000	84					9		2		
Christiania	do	207,000	65								1	
Cologne	Oct. 22	349,444	138					1		4		6
Colombo	Oct. 1	130,000	68									
Colon	Oct. 30	8,000	6									

a Plague 240.

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from— Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Copenhagen	Oct. 22	351,000	131					1	1	1		3
Frankfort on the Main	Oct. 29	246,000	65							1	1	3
Funchal	Oct. 30	36,982	26									
Gibraltar	Oct. 23	25,900	11					2				
Girgenti	Oct. 22	21,219	11									
Glasgow	do	724,349	283					5	3	2	3	11
Gothenburg	do	120,552	47							1		
Guayaquil	Oct. 15	50,000	40									
Halifax	Nov. 5	38,700	20						1	2		
Hamilton, Bermuda	Nov. 1	1,600	2									
Do	Nov. 8	1,600	0									
Kingston, Canada	Nov. 4	18,800	7									
Do	Nov. 11	18,800	7									
Konigsburg	Oct. 30	179,686									1	
Leeds	Oct. 29	416,618	121					4	1	9	1	1
Leghorn	Oct. 23	104,372	37					2		1		
Licata	Oct. 22	20,000	10				2	4				
Livingston	Oct. 29	1,500	2									
Liege	Oct. 22	168,241	37					2				1
London	do	6,408,321	1,966					37	17	39	14	14
Lyons	do	466,028	153					12		1		
Madras	Oct. 7	452,518	407	30							4	
Magdeberg	Oct. 1	223,101	123						2		3	2
Mannheim	Oct. 22	110,099	43							1		
Mayence	do	76,984	30									
Do	Oct. 29	76,984	39							2		
Montevideo	Oct. 8	215,061	67							1		
Moscow	Oct. 15	1,000,000	453			2	1	4	5	8	2	4
Munich	do	430,000	212						3			3
Do	Oct. 22	430,000	187					2	2	3		4
Nuremberg	Oct. 15	190,750	82					1	1	1		2
Odessa	Oct. 22	400,000	165			1		2	1	3	1	1
Palermo	do	300,000	109						1	1		2
Plymouth	Oct. 29	99,135	29									2
Prague	Oct. 22	198,320	131					2	1	3	2	
Rotterdam	Oct. 29	306,439	91					2		1		
St. John, W. I.	do	35,000	14									
St. George, Bermuda	do	2,150	1									
Do	Nov. 5	2,150	0									
St. Petersburg	Oct. 22	1,267,023	545			2		23	16	24	8	8
St. Stephen, N. B.	Nov. 5	3,000	0									
Schiedam	Oct. 29	26,884	11									
Southampton	Oct. 15	100,886	44					1		2	3	
Do	Oct. 29	100,886	27					3		2	1	
Stettin	Oct. 22	150,000	57									
Stuttgart	Oct. 27	162,934	51									
Tampico	Oct. 23	14,000	17		2							
Trapani	Oct. 22	45,095	18									
Trieste	do	165,000	67					4	3	3	1	
Vienna	Oct. 15	1,606,629	524						4	7	3	
Zurich	Oct. 22	162,233	50									

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.